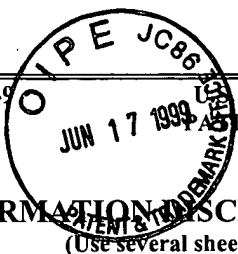


Form PTO-1449  
(Rev. 8-83)  
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DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
12369US01

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09/256,386

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

APPLICANT(s):  
Muller, et al.

FILING DATE  
February 24, 1999

GROUP ART UNIT:  
1745

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Dug</i>	4,450,055	05/22/84	Stafford	204	78	
<i>Dug</i>	5,723,228	03/03/98	Okamoto	429	12	
<i>Dug</i>	5,747,185	05/05/98	Hsu	429	44	
<i>Dug</i>	5,856,036	01/05/99	Smotkin et al.	429	40	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<del>_____</del>	<del>4-132168</del>	<del>05/06/92</del>	<del>Japan</del>	<del>_____</del>	<del>_____</del>	<del>X</del>	<del>_____</del>
<del>_____</del>	<del>6-310166</del>	<del>11/04/94</del>	<del>Japan</del>	<del>_____</del>	<del>_____</del>	<del>X</del>	<del>_____</del>
<del>_____</del>	<del>10-189022</del>	<del>07/21/98</del>	<del>Japan</del>	<del>_____</del>	<del>_____</del>	<del>X</del>	<del>_____</del>
<del>_____</del>	<del>0-754 649 A1</del>	<del>01/22/97</del>	<del>Europe</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>
<del>_____</del>	<del>WO 96/12317</del>	<del>04/25/96</del>	<del>PCT</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>
<del>_____</del>	<del>WO 96/18573</del>	<del>06/20/96</del>	<del>PCT</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>	<del>_____</del>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<del>_____</del>	<del>Dams, et al., "The Processing of Alcohols, Hydrocarbons and Ethers to Produce Hydrogen for a PEMFC for Transportation Applications," Special Projects Group, Wellman CJB Limited, Airport Service Road, Portsmouth, Hampshire, PO3 5PG, United Kingdom pp. 837-842 (no date)</del>
<del>_____</del>	<del>"Dimethyl Ether as a Transportation Fuel a State of the Art Survey," J.E. Sinor Consultants, Inc. pp. 2-3, 10-11, 22-25, 33-34, 46-48, 52-54 (June, 1997)</del>

EXAMINER

*Dehne* *GROUP 1*

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*12/09/02*

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10-1449

8-83)  
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(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Dr. y	2,925,454	02/16/60	Justi et al.	136	86	
Dr. y	3,227,585	01/04/66	Langford et al.	136	86	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
Dr. y	10-189022	07/21/98	Japan - Abstract Only				
Dr. y	10-255830	09/25/98	Japan - Abstract Only				
Dr. y	1,436,154	04/11/99	France				
Dr. y	11-144751	05/27/99	Japan			x abstract only	x

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Dr. y	Zhao, et al., "Electrocatalytic Oxidation of Methanol and Dimethyl Ether on Platinum at Elevated Temperatures in 85% H <sub>3</sub> PO <sub>4</sub> ," Extended Abstracts Fall Meeting, Miami Beach, Florida Vol. 94/2, pages 962-963
Dr. y	Yasuyuki, et al., "Feasibility of fuel cell using dimethyl ether fuel," Chemical Abstracts, Vol 130, Columbus, Ohio Abstract No. 327226

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